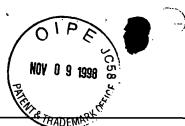


	1944							
SUBSTITUTE OF COMMERCE (MODIFIED) U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE					Attorney Docket No.		01997/198006	
				Serial No.		08/984,178		
	Applicant		H. Rober	H. Robert Horvitz et al.				
	Filing Date		Decembe	December 3, 1997				
	(Use several	isaiy)	Group		1633			
(37 CFR §1.9	(37 CFR §1.98(b))				IDS Filed		November 4, 1998	
U.S. PATENTS								
Examiner's Initials	Patent Number	Issue Date	Patentee		Class	Subclass	Filing Date (If Appropriate)	
RDS	5,196,333	03/23/93	Chalfie et al.			240-1		
ear	4,855,319	08/08/89	Mikolajczak et al.	-	U35 514	473		
	FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION							
Examiner's Initials	Document Number	Publication Date	Country or Patent Office		Class	Subclass	Translation (Yes/No)	
M	WO 91/19007	12.12.91	PCT				,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
	OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PLACE OF PUBLICATION)							
m	Ellis et al., "Genetic Control of Programmed Cell Death in the Nematode C. elegans", Cell 44:817-829 (1986). Yuan and Horvitz, "The Caenorhabditis elegans Genes ced-3 and ced-4 Act Cell Autonomoust to Cause Programmed Cell Death", Ann. Rev. Cell Biol. 134:33-41 (1991).							
m	Ellis et al., "Mechanisms and Functions of Cell Death", Ann. Rev. Cell Biol. 7:663-698 (1991).							
	Yuan "Genetic and Molecular Studies of ced-3 and ced-4, Two Genes that Control Programmed Cell Death in the Nematode C. elegans", Ph.D. thesis, Harvard University, Cambridge, MA (Cat. 1990 Widener Library).							
no	Yuan and Horvitz, "The caenorhabditis elegans cell death gene ced-4 encodes a novel protein and is expressed during the period of extensive programmed cell death", Development 116:309-320 (1992).							
m	Ellis et al., "Genes Required for the Engulfment of Cell Corpses During Programmed Cell Death in Caenorhabditis elegans", Genetics 192:79-97 (1991).							
EXAMINER	m		DATE COM	NSIDERED	8/2	9/99		
EXAMINER: In form with the ne	itial citation conside	red. Draw line to applicant.	through citation if not in cor	nformance a	nd not con	sidered. Inc	lude copy of this	





	(ADCRAM)						
SUBSTITUTE (MODIFIED)	PORM PTO-1449 U.S. DEPARTMENT OF C PATENT AND TRADEMA		Attorney Docket No.	01997/198006			
(MODII IED)	TATEM AND TRADEINA	KK OFFICE	Serial No.	08/984,178			
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)			Applicant	H. Robert Horvitz et al.			
			Filing Date	December 3, 1997			
			Group	1633			
(37 CFR §1.98(b))			IDS Filed	November 4, 1998			
OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PLACE OF PUBLICATION)							
2	Ellis and Horvitz, "Two C. elegans genes control the programmed deaths of specific cells in the pharynz", Development 112:591-603 (1991).						
~	Avery and Horvitz, "A Cell that Dies During Wild-Type C. elegans Development can Function as a Neuron in a ced-3 Mutant", Cell 51:1071-1078 (1987).						
	Hengartner et al., "Caenorhabditis elegans Gene ced-9 Protects Cells from Programmed Cell Death", Nature						
	<u>356:494-499</u> (1992).						
~	Vaux et al., "Prevention of Programmed Cell Death in Caenorhabditis elegans by Human bcl-2", Science 258:1955-1957 (1992).						
n	Vaux "Toward an Understanding of the molecular Mechanisms of Physiological Cell Death", Proc. Natl. Acad. Sci. USA 90:786-789 (1993).						
6	Driscoll and Chalfie, "Developmental and Abnormal Cell Death in C. elegans", Trends in Neuroscience 15:15-19 (1992).						
2	Driscoll, "Molecular Genetics of Cell Death in the Nematode Caenorhabditis elegans", J. of Neurobiology 23:1327-1351 (1992).						
8	Freeman et al. "Cell Death Genes in Invertebrates and (maybe) Vertebrates", Current Opinion in Neurobiology 3:25-31 (1993).						
8	Ledoux et al., "Isolation of Nematode Homologs of the C. elegans Cell Death Genes ced-3", Neurobiology of Aging 13:S47 (1992).						
2	Yuan, "Genetic and Molecular Studies of ced 3 and ced 4 Two Genes that Control Programmed Cell Deaths with Nematode Celigri", Chapters 3 and 4 of Ph.D. Thesis (1990).						
7	Siemeister et al., Plant Molecular Biology 14:825-822 (1990).						
		· ·					
EXAMINER	m	DATE CO	NSIDERED X	199			
EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include convert this							

EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with the next communication to applicant.